

ABSTRACT OF THE DISCLOSURE

A fire-blocking door lock structure includes a latching member mounted on a fire-blocking door lock and an actuation mechanism mounted in the latching member. The
5 actuation mechanism includes a latch body having a stop portion; a stop piece which prevents retraction of the latch body and is connected to a fire-blocking piece; a safety latching member which prevents the latch body from retraction into the latching member when the safety latching member abuts against the stop piece; a guide rod for allowing the latch body to be blocked by the fire-blocking piece when the safety latching member
10 abuts against the stop piece; and an actuating piece. When the fire-blocking piece melts under a high temperature during a fire, the stop piece blocks the stop portion, such that the latch body cannot be retracted into the latching member, keeping the fire-blocking door locked.

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